

### Abstract of the Disclosure

Apparatus and methods are provided for use in filtering emboli from a vessel, wherein a vascular filter is disposed on a guide wire, the vascular filter having a support hoop disposed from a suspension strut so as to permit lateral eccentric displacement of  
5 the support hoop relative to a longitudinal axis of the guide wire. A blood permeable sac is affixed to the support hoop to form a mouth of the blood permeable sac. The support hoop is disposed obliquely relative to the guide wire and is capable of being properly used in a wide range of vessel diameters. The support hoop collapses the mouth of the blood permeable sac during removal of the vascular filter to prevent material from  
10 escaping from the sac. A delivery sheath and introducer sheath for use with the vascular filter of the present invention are also provided.